

ABSTRACT OF THE DISCLOSURE

A method, system, and program product for a new intercommunication architecture in a modular computer system environment. The Information Kit is a publish-and-subscribe software bus applied as an application programming model on an embedded device. Each module of the modular computer system is connected to a virtual node on the information kit and each node operates as a subscriber/listener to the entire software bus. During setup of the module, the module sends a request to the Information Kit. An information kit manager (processor) logs the request in a register. Data (or information) is published by devices connected to other nodes of the Information Kit and the data is placed in a queue for publication to the requesting nodes. The information manager notifies the modules of the availability of the data and initiates a directed broadcast of the data to the modules requesting that particular data.